

ABSTRACT

A method and apparatus for monitoring the application of a vagus nerve stimulation signal includes a detection circuit having an amplifier, a filter, and a signal prolongation circuit. The signal prolongation circuit rectifies a detected vagus nerve signal and provides the signal to a Schmitt trigger extending the length of the signal. Because of the prolongation of the signal, the signal can be sampled at a relatively low rate, and real time data illustrating the response of various physiological signals to the application of the vagus nerve signal can be monitored, thereby providing clinical data for monitoring and adjusting the applied stimulation.